



LS-85-24V-001 RADIAL BLOWER

鼓风机规格书 The specification of the Radial blower	规格书编号: LS-85-24V-001 expectation vest oscillator
	发布日期: Date Issued



产品主型号Main model name:	LS-85-24V-001
匹配驱动器型号Matching drive model:	LS7652-24V-250W

说明书组成内容/Composition of the instruction manual	
要求和变更/REQUESTS & REVISION RECORDS	√
电气规格/TECH SPECIFICATIONS	√
曲线图/CURVES AND CHARACTERISTICS	√
外形图/OUTLINE DRAWING	√
电控规格书/PCB control	
共计 (TOTAL without Cover) 4 页	
编写人-Writer	
审核人-Auditor	

生产商/Manufacture:	NINGBO LEISON MOTOR CO., LTD
网址/Web:	https://www.nbleisonmotor.com/
认证证书Certificates:	CE, ROHS, ISO10993, ISO9001:2015

文档内所有数据均在额定电压下测量，在25°C环境温度和1.2 kg/m³标准空气密度下有效。列出的值是标称值，可能会根据安装条件和部件公差而变化。根据ISO5801标准，采用标准化入口和出口室进行测试。公差基于ISO13348规定的速度数据，等级4：压力+/-10%，功率+16%。基于恒定电压的公差：速度+/-10%，压力+/-21%，功率+33%。关于鼓风机的连续运行，请参阅规定的最大额定值。超出正常工作范围的性能数据仅供参考。

Stated all data are measured at nominal voltage and are valid at 25 °C ambient temperature and 1.2 kg/m³ standard air density. Values listed are nominal and can vary depending on the installation conditions and due to component tolerances. Test setup according to ISO 5801 with standardized inlet and outlet chambers. Tolerances based on specified speed data according to ISO 13348, grade 4: pressure +/- 10 %, power +16 %. Tolerances based on constant voltage: speed +/- 10 %, pressure +/- 21 %, power +33 %. For continuous blower operation please refer to specified maximum ratings. Performance data outside normal operating range plotted for information only.

基础电气规格 (Basic Tech specification)		LS-85-24V-001	
最大持续运行状态	Maximum continuous operating state	单位 (Unit)	数据 (Data)
额定电压	Rate voltage	V	24
空载电流	Free current	A	2
额定功耗	Power consumption	W	48
空载转速	Free blowing speed	rpm	1850
		Hz	31
最低转速 (加压0kpa)	Minimum speed (input 0kpa)	Hz	1
振荡器最低转速可启动 (加压2kpa)	Lowest speed can be started (input 2kpa)	Hz	3
振荡器最低转速可启动 (加压4kpa)	Lowest speed can be started (input 4kpa)	Hz	5

无刷直流电机参数	BLDC Motor parameters		
电阻值	Resistance	mΩ	845
电感值	Inductance value	mH	1320
转子惯量	Rotor inertia	g/cm ²	125
霍尔信息	Hall information		120°
磁铁极数	Number of magnet poles		8
绕组绝缘等级	Winding insulation level		155°C-F
电机表面温升	Motor surface temperature rise	°C	35
IP等级	IP level		IP50
叶轮材质	Impeller material		N/A
机壳材质	House casing material		铝+塑料+丁晴橡胶
氧气兼容	Oxygen compatible	%	21
是否符合生物兼容	Biocompatibility		Yes

风机整体性能	Performance of blower		
NTC情况	NTC situation		N/A
整机重量	Weight	kg	1.7
使用寿命 ¹	Operation Life	Hours	10000
噪音等级 ²	Noise	dB(A)	45
泄压情况	Pressure relief situation	kpa	>6
叶轮旋转方向(进风口看叶轮)	Impeller rotation (see from air inlet)		N/A
使用环境温度范围	Operating ambient temperature range		{0, 40}
使用环境湿度范围	Operating environment humidity range		{10, 45}
建议储存温度范围	Recommended storage temperature range		{0, 40}

注意事项 Notice:

1, 进风口或者出风口负载的管路管径不得小于6mm

The pipeline diameter of the air inlet or outlet load shall not be less than 6mm

2, 禁止进风口或者出风口全堵超过3分钟

Do not block the air inlet or outlet completely for more than 3 minutes

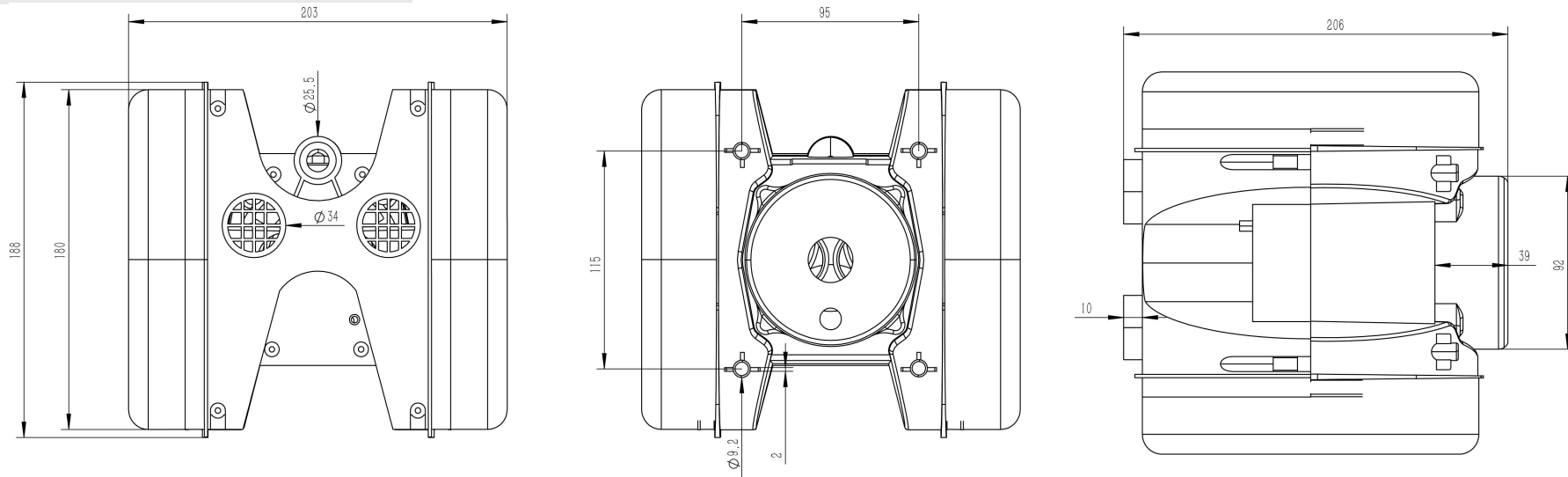
1, Accelerated aging test at 45 °C ambient temperature, continuous operation

在45°C环境温度下进行加速老化试验, 连续运行。

2, 5hz speed-1m distance, without loading

5hz全速1米, 无加压

尺寸图 (OUTLINE DRAWING)



引线定义 (CABLE WIRES DENTIFICATION)

端子照片	线序说明	颜色	引线说明	线材规格	胶壳型号	端子型号	出线长度 (不含端子)	备注
Connector Picture	Line sequence	Color	Wire Description	Wire specification	Rubber shell model	Terminal model	Wire length (Excluding terminals)	Remark
	1	黄	yellow	W	VH3.96-8P	VH3.96-T	45cm	N/a
	2	黑	black	V				
	3	红	red	U				
	4	黑	black	GND				
	5	白	white	Hall W				
	6	蓝	blue	Hall V				
	7	绿	green	Hall U				
	8	红	red	+5V				